

## INTERNATIONAL SEARCH REPORT

International application No  
PCT/JP2005/021397

## A CLASSIFICATION OF SUBJECT MATTER

Int Cl *H01L21/265* (2006 01), *H01L21/336* (2006 01), *H01L29/786* (2006 01), *H01L29/78* (2006 01),

According to International Patent Classification (IPC) or to both national classification and IPC

## B FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Int Cl HOIL 21/265

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Published examined utility model applications of Japan 1922-1996  
Published unexamined utility model applications of Japan 1971-2006  
Registered utility model specifications of Japan 1996-2006  
Published registered utility model applications of Japan 1994-2006

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	JP 2001-308344 A ( SEMICONDUCTOR ENERGY LABORATORY CO., LTD. ) 2001.11.02, whole document, Fig 1-5 (Family:none)	1-10
X	JP 2004-158627 A (KABUSIKIGAI SYA RUNESASUTEKUNOROJI) 2004.06.03, whole document, Fig 1-39 & US 2004/87118 A1	1-10
X	JP 2001-338894 A (MATSUSITA DENKISANGYOU KABUSIKIGAI SYA) 2001.12.07, whole document, Fig 1-5 (Family:none )	1-10

☒ Further documents are listed in the continuation of Box C☐ See patent family annex

\* Special categories of cited documents

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance, the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance, the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

"&amp;" document member of the same patent family

Date of the actual completion of the international search

20.01.2006

Date of mailing of the international search report

07.02.2006

Name and mailing address of the ISA/JP

Japan Patent Office

3-4-3, Kasumigaseki, Chiyoda-ku, Tokyo 100-8915, Japan

Authorized officer

SONOKO MIYAZAKI

Telephone No +81-3-3581-1 101 Ext. 3498

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C (Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	JP 2003-059857 A (MATSUSITA DENKISANGYOU KABUSIKIGAISSYA) 2003.02.28, whole document, Fig 1-4 & WO 02/99862 A1	1-10
X	JP 2002-246601 A (SEIKOEPUSON KABUSIKIGAISSYA ) 2002.08.30 ,whole document, Fig 1-6 & US 2002/175372 A1	1-10

INTERNATIONAL SEARCH REPORT

International application No  
PCT/JP2 005/ 021397

Continuation of International Patent Classification (IPC) or both  
national classification and IPC

*H01L21/8234* (2006. 01), *H01L27/088* (2006. 01), *H01L21/8242* (2006. 01), *H01L27/108* (2006. 01)